



N 10/606,539

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Kie Y. Ahn et al.	Examiner:	James Mitchell
Serial No.:	10/606,539	Group Art Unit:	2833
Filed:	June 26, 2003	Docket:	303.533US2
Title:	COMPACT SYSTEM MODULE WITH BUILT-IN THERMOELECTRIC COOLING		

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**RESPONSE TO RESTRICTION REQUIREMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

For clarity of this election response, Applicant re-prints the species restriction requirement in the Action mailed Dec. 14 :

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This application contains claims directed to the following patentably distinct species of the claimed invention:

- I, the semiconductor being n-doped;
- II, the semiconductor being p-doped;
- III, the semiconductor being undoped.

Upon applicant's election of a species then one of the following subspecies must be elected:

- A1, the material being a super lattice with alternating layers;
- A2, the material being a complex oxide; or
- A3, the material being a conventional semiconductor layer (neither a super lattice or complex oxide).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species and subspecies for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 47 is generic.

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In response to the restriction requirement, Applicant elects species III and of that, subspecies A3. Applicant believes that the claims of this species and subspecies are claims 47-50, 55, 60, 61, 67-69, 76-78. These claims have no limitations as to whether the semiconductor is doped (species III). Also, these claims have no limitations whether the type of material is a super lattice or a complex oxide (subspecies A3). Applicant withdraws the remaining claims until the allowance of a generic claim. This election is made without traverse.

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Applicant acknowledges the indication that claim 47 is a genus claims, and respectfully posits that claims 55, 67 and 76 are also genus claims which encompass all species and subspecies.

Conclusion

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (612) 373-6904 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

KIE Y. AHN ET AL.

By their Representatives,

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Date

Jan. 12, 2005

By

Daniel J Kluth

Daniel J Kluth

Reg. No. 32,146

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 12 day of January, 2005.

Name

KACIA LEE

Signature

Kacia Lee